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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/921,560	08/06/2001	Koji Matsukuma	102392.01	7818
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			ART UNIT	PAPER NUMBER
			2823	
			DATE MAILED: 02/14/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Icant(s)
		09/921,560	MATSUKUMA, KOJI
Of	fice Action Summary	Examiner	Art Unit
		W. David Coleman	2823
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A SHORTE! THE MAILIN - Extensions of the after SIX (6) M - If the period for the period for Failure to reply Any reply received.	NED STATUTORY PERIOD FOR REPLY IG DATE OF THIS COMMUNICATION. time may be available under the provisions of 37 CFR 1.13 ONTHS from the mailing date of this communication. If reply specified above is less than thirty (30) days, a reply or reply is specified above, the maximum statutory period with within the set or extended period for reply will, by statute, it will be the office later than three months after the mailing term adjustment. See 37 CFR 1.704(b).	6(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. 6 133)
·	onsive to communication(s) filed on 21 Ju	ino 2002	
<u> </u>		s action is non-final.	:
•—	this application is in condition for allowar		
close	d in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.
Disposition of (
	(s) <u>27-37</u> is/are pending in the application		
	the above claim(s) <u>33-37</u> is/are withdrawi	n from consideration.	
<u> </u>	(s) is/are allowed.	·	
	s) <u>27-32</u> is/are rejected.		
	s) is/are objected to.	#	
	s) are subject to restriction and/or	election requirement.	,
Application Par		•	
	ecification is objected to by the Examiner.	*	
	awing(s) filed on is/are: a) accept	e ·	4.
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	posed drawing correction filed on		Ved by the Examiner.
	roved, corrected drawings are required in repl th or declaration is objected to by the Exa	·	
	5 U.S.C. §§ 119 and 120	irinier.	
	wledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a))-(d) or (f).
·	b)☐ Some * c)☐ None of:		
	Certified copies of the priority documents		
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	Copies of the certified copies of the priorit application from the International Bure attached detailed Office action for a list o	eau (PCT Rule 17.2(a)).	•
	edgment is made of a claim for domestic	·	
	e translation of the foreign language prov		• • • • • • • • • • • • • • • • • • • •
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Attachment(s)		-	•
2) 🔲 Notice of Draft	rences Cited (PTO-892) tsperson's Patent Drawing Review (PTO-948) sclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal P	(PTO-413) Paper No(s) Patent Application (PTO-152)
S. Patent and Trademark Of TO-326 (Rev. 04-01)		on Summary	Part of Paper No. 9

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C.-102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 27-32 are rejected under 35 U.S.C. 102(b) as being anticipated by Hirano et al., U.S. Patent 5,652,157.
- Hirano discloses a etching mask as claimed. See FIGS. 1(a)-50(g), where Hirano teaches an etching mask for selectively etching a workpiece, wherein the etching mask is made of a metal and has a cross-sectional shape comprising a rectangular first region that determines a pattern width of the workpiece, and a second region that contacts the first region and intercept application of etching beams to a sidewall of the first region during etching (see FIG. (h)), i.e., dry etching and ion milling are the etching beams (column 13, lines 9-43).
- 4. Pertaining to claim 27, <u>Hirano</u> teaches an etching mask for selectively etching a workpiece, wherein the etching mask is made of a metal and has a cross-sectional shape comprising a rectangular first region that determines a pattern width of the workpiece, and a second region that intercepts application of etching beams to a sidewall of the first region during etching, wherein the etching mask has a T-shaped cross section.
- 5. Pertaining to claim 29, <u>Hirano</u> discloses the teaching mask according to claim 28, comprising a cross section including a vertical bar having an end that contacts with a surface of the workpiece, and a lateral bar placed on another end of the vertical bar and having a width

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greater than a width of the vertical bar, wherein a pattern width of the workpiece is determined by the width of the vertical bar.

- 6. Pertaining to claim 30, <u>Hirano</u> discloses an etching mask for selectively etching a workpiece, wherein the etching mask is made of a metal and has a cross-sectional shape comprising a rectangular first region that determines a pattern width of the workpiece, and a second region that intercepts application of etching beams to a sidewall of the first region during etching, wherein the first region is a vertical bar having an end that contacts with a surface of the workpiece, and the second region is a lateral bar placed on another end of the vertical bar hand having a width greater than a width of the vertical bar, wherein a pattern width of the workpiece is determined by the width of the vertical bar.
- 7. Pertaining to claims 31 and 32, <u>Hirano</u> teaches wherein the etching mask according to claims 28 and 27 wherein the metal is selected from the group consisting of Au (gold).

Conclusion

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,



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however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to W. David Coleman whose telephone number is 703-305-0004. The examiner can normally be reached on 9:00 AM-5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Olik Chaudhuri can be reached on 703-306-2794. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-7722 for regular communications and 703-308-7721 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

W. David Coleman

Examiner

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WDC February 11, 2003